

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 15 | ((("5706041") or ("5851412") or ("6362512") or ("6379989") or ("6002507") or ("6014240") or ("5909078") or ("5994816") or ("6023121") or ("6114794") or ("6255757") or ("6324748") or ("6360539") or ("20030134445") or ("20030086641")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/03/07 09:21 |
| S2 | 1 | ("6658179").PN. | US-PGPUB; USPAT | OR | OFF | 2005/03/07 09:40 |
| S3 | 9 | ((("6828171") or ("6467879") or ("6479311") or ("6479315") or ("6506620") or ("6580858") or ("6510275") or ("6828887") or ("6661070")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/03/07 10:41 |
| S4 | 11 | ((("5024500") or ("6487330") or ("6842558") or ("6201629") or ("5969848") or ("6033670") or ("5502781") or ("6072924") or ("6303885") or ("6526198") or ("20040032000")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/03/07 10:42 |
| S5 | 333 | (optical with switch\$2) and substrate and (beam or waveguide or fiber) and (thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 11:44 |
| S6 | 6 | ("5867302" "5955817" "5962949" "5994816" "6023121" "6114794").PN. OR ("6367252").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 10:57 |
| S7 | 1 | 2002-548530.NRAN. | DERWENT | OR | ON | 2005/03/07 11:03 |
| S8 | 0 | ("2004/0184760").URPN. | USPAT | OR | ON | 2005/03/07 11:36 |
| S9 | 0 | ("2004/0118481").URPN. | USPAT | OR | ON | 2005/03/07 11:37 |
| S10 | 1 | ("2004/0114856").URPN. | USPAT | OR | ON | 2005/03/07 11:37 |
| S11 | 0 | ("2004/0184720").URPN. | USPAT | OR | ON | 2005/03/07 11:37 |
| S12 | 0 | ("2004/0184710").URPN. | USPAT | OR | ON | 2005/03/07 11:37 |
| S13 | 0 | ("2004/0184709").URPN. | USPAT | OR | ON | 2005/03/07 11:37 |
| S14 | 0 | ("6828887").URPN. | USPAT | OR | ON | 2005/03/07 11:39 |
| S15 | 0 | ("6853765").URPN. | USPAT | OR | ON | 2005/03/07 11:40 |
| S16 | 3 | ("5909078" "6168395" "6303885").PN. OR ("6828887").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 11:41 |

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| S17 | 6 | ("20020102061" "4946236" "5175776" "5446811" "6360036" "6388359").PN. OR ("6853765").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 11:41 |
| S18 | 0 | ("2005/0031288").URPN. | USPAT | OR | ON | 2005/03/07 11:43 |
| S19 | 0 | ("2005/0031253").URPN. | USPAT | OR | ON | 2005/03/07 11:43 |
| S20 | 0 | ("2005/0031252").URPN. | USPAT | OR | ON | 2005/03/07 11:43 |
| S21 | 1461 | substrate and (beam or waveguide or fiber) and (thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 17:18 |
| S22 | 1099 | (substrate same (beam or waveguide or fiber)) and (thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 16:08 |
| S23 | 812 | S22 not S5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 11:45 |
| S24 | 19 | ("4624741" "4893509" "5130276").PN. OR ("5364497").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 12:05 |
| S25 | 1 | 1997-169577.NRAN. | DERWENT | OR | ON | 2005/03/07 16:00 |
| S26 | 35 | ("3836225" "4688885" "5080458" "5181214" "5214727" "5457765" "5483608" "5553182" "5602955" "5606635" "5699463").PN. OR ("5870518").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 16:02 |
| S27 | 70 | (substrate same (beam or waveguide or fiber)) and (thermal with actuator).ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 16:09 |
| S28 | 333 | (optical with switch\$2) and substrate and (beam or waveguide or fiber) and (thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 16:09 |

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| S29 | 57 | S27 not S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 16:09 |
| S30 | 75 | ("1258368" "1658669" "2466703" "3213318" "3280550" "3304446" "3609593" "4806815" "5179499" "5180940" "5184269" "5191251" "5261747" "5296775" "5309056" "5355712" "5367584" "5441343" "5467068" "5475318" "5483799" "5536988" "5558304" "5600174" "5602955" "5606635" "5629665" "5644177" "5659285" "5722989" "5796152" "5813441" "5862003" "5881198" "5903078" "5909078").PN. OR ("6137206").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 16:14 |
| S31 | 7 | ("5214735" "5677975" "5835652" "6085014" "6249636" "6374022" "6539161").PN. OR ("6661962"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 16:42 |
| S32 | 1462 | substrate and (beam or waveguide or fiber) and (thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 17:19 |
| S33 | 1100 | (substrate same (beam or waveguide or fiber)) and (thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 08:15 |
| S34 | 813 | S33 not S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 17:19 |

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| S35 | 622 | S32 not (S34 or (silverbrook.in.)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 17:19 |
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| S36 | 104 | (US-20030086641-\$ or US-20040032000-\$ or US-20010050232-\$ or US-20020011758-\$ or US-20020164123-\$ or US-20030053231-\$ or US-20030132822-\$ or US-20030132090-\$ or US-20030210115-\$ or US-20040027029-\$ or US-20040114856-\$ or US-20040118481-\$ or US-20040184760-\$ or US-20040184720-\$ or US-20040184710-\$ or US-20040184709-\$ or US-20050031288-\$ or US-20050031253-\$ or US-20050031252-\$ or US-20030121260-\$ or US-20010017358-\$ or US-20020190603-\$ or US-20030011254-\$ or US-20030160539-\$ or US-20040085608-\$ or US-20040126081-\$).did. or (US-20040126080-\$ or US-20040189142-\$ or US-20040196522-\$ or US-20050011191-\$).did. or (US-5909078-\$ or US-5994816-\$ or US-6023121-\$ or US-6114794-\$ or US-6255757-\$ or US-6324748-\$ or US-6360539-\$ or US-6828887-\$ or US-5024500-\$ or US-6303885-\$ or US-6487330-\$ or US-5998906-\$ or US-6124663-\$ or US-6134207-\$ or US-6218762-\$ or US-6236139-\$ or US-6275320-\$ or US-6338249-\$ or US-6351580-\$ or US-6360033-\$ or US-6363183-\$ or US-6367252-\$ or US-5955817-\$ or US-5962949-\$ or US-6367251-\$ or US-6388359-\$).did. or (US-6404969-\$ or US-6428173-\$ or US-6504968-\$ or US-6590313-\$ or US-6596147-\$ or US-6658179-\$ or US-6754243-\$ or US-6771158-\$ or US-6807356-\$ or US-6836584-\$ or US-6853765-\$ or US-4887100-\$ or US-5364497-\$ or US-5583290-\$ or US-6032532-\$ or US-5870518-\$ or US-6164837-\$ or US-6310419-\$ or US-6386507-\$ or US-6422011-\$ or US-6675578-\$ or US-6708492-\$ or US-6133670-\$ or US-6137206-\$ or US-5862003-\$ or US-6291922-\$ or US-6404978-\$).did. or (US-6628039-\$ or US-6210046-\$ or US-6752011-\$ or US-6762512-\$ | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/03/07 17:19 |
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| S37 | 288 | S35 not (S36 or S28) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/07 17:20 |
| S38 | 2 | ("2003/0029705").URPN. | USPAT | OR | ON | 2005/03/07 17:28 |
| S39 | 12 | ("20010008357" "4806815" "5796152" "5909078" "5994816" "6211598" "6236139" "6255757" "6291922" "6367251" "6386507" "6590313").PN. OR ("6734597").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 17:31 |
| S40 | 2 | ("6310419" "6407478").PN. OR ("6753582").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 17:32 |
| S41 | 6 | ("20020114058" "5909078" "5963367" "6467761" "6672795" "6679055").PN. OR ("6806991").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/07 17:33 |
| S42 | 0 | (substrate same (beam or waveguide or fiber)) and (ladder with thermal with actuator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 08:15 |
| S43 | 12 | ("20010008357" "4806815" "5796152" "5909078" "5994816" "6211598" "6236139" "6255757" "6291922" "6367251" "6386507" "6590313").PN. OR ("6734597").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/08 08:35 |
| S44 | 0 | ("WO199098").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/08 11:32 |
| S45 | 1 | "WO01/99098" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 08:38 |
| S46 | 0 | "01/99098" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 08:38 |

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| S47 | 0 | "\$01/99098" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 08:38 |
| S48 | 387 | (beam with resistance with width) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 14:08 |
| S49 | 3 | (thermal with actuator) and (beam with resistance with width) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 14:11 |
| S50 | 99 | (thermal with actuator) and (beam with spacing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 14:11 |

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| S51 | 113 | (US-20030086641-\$ or US-20040032000-\$ or US-20010050232-\$ or US-20020011758-\$ or US-20020164123-\$ or US-20030053231-\$ or US-20030132822-\$ or US-20030132090-\$ or US-20030210115-\$ or US-20040027029-\$ or US-20040114856-\$ or US-20040118481-\$ or US-20040184760-\$ or US-20040184720-\$ or US-20040184710-\$ or US-20040184709-\$ or US-20050031288-\$ or US-20050031253-\$ or US-20050031252-\$ or US-20030121260-\$ or US-20010017358-\$ or US-20020190603-\$ or US-20030011254-\$ or US-20030160539-\$ or US-20040085608-\$ or US-20040126081-\$).did. or (US-20040126080-\$ or US-20040189142-\$ or US-20040196522-\$ or US-20050011191-\$ or US-20020174891-\$ or US-20030029705-\$ or US-20030098612-\$).did. or (US-5909078-\$ or US-5994816-\$ or US-6023121-\$ or US-6114794-\$ or US-6255757-\$ or US-6324748-\$ or US-6360539-\$ or US-6828887-\$ or US-5024500-\$ or US-6303885-\$ or US-6487330-\$ or US-5998906-\$ or US-6124663-\$ or US-6134207-\$ or US-6218762-\$ or US-6236139-\$ or US-6275320-\$ or US-6338249-\$ or US-6351580-\$ or US-6360033-\$ or US-6363183-\$ or US-6367252-\$ or US-5955817-\$ or US-5962949-\$ or US-6367251-\$ or US-6388359-\$).did. or (US-6404969-\$ or US-6428173-\$ or US-6504968-\$ or US-6590313-\$ or US-6596147-\$ or US-6658179-\$ or US-6754243-\$ or US-6771158-\$ or US-6807356-\$ or US-6836584-\$ or US-6853765-\$ or US-4887100-\$ or US-5364497-\$ or US-5583290-\$ or US-6032532-\$ or US-5870518-\$ or US-6164837-\$ or US-6310419-\$ or US-6386507-\$ or US-6422011-\$ or US-6510378-\$ or US-6708492-\$ or US-6133670-\$ or US-6137206-\$ or US-6867002-\$ or US-6701077-\$ | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/03/08 14:12 |
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| S52 | 24 | S50 and S51 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/08 14:12 |
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